AMENDMENTS TO THE CLAIMS

1.　(Currently amended)　An information recorder, ~~characterized by~~ comprising:

a data extraction part configured to extract data from user data recorded in a user data area of a recording area of an information recording medium and to store the extracted data;

a data creation part configured to create data accompanying the user data from the stored extracted data; and

a recording ~~means for recording~~ part configured to record the created data accompanying the user data in a Lead-Out area disposed outside [[a]] the user data area ~~to record the user data of a recording area of an information recording medium~~.

2.　(Currently amended)　The information recorder as claimed in claim 1, characterized in that said recording ~~means~~ part includes ~~means~~ a part configured to record ~~for recording~~ a same attribute as an attribute of the user data area as an attribute of the Lead-Out area disposed outside the user data area.

3.　(Currently amended)　An information recorder, characterized by:

a content data recording ~~means for recording~~ part configured to record content data in an information recording medium;

an extraction part configured to extract data from the content data and to store the extracted data;

an index information generating part configured to generate, from the stored extracted data, ~~means for generating, for the content data,~~ index information for referring to contents of the content data; and

index information recording part configured to record ~~means for recording~~ the index information generated by said index information generating ~~means~~ part in a Lead-Out area disposed outside a user data area to record user data of a recording area of the information recording medium.

4. (Currently amended) The information recorder as claimed in claim 3, characterized in that said index information recording ~~means~~ part is configured to record ~~records~~ the index information generated by said index information generating part ~~means~~ in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium at a time after said content data recording ~~means~~ part completes the recording of the content data in the information recording medium.

5. (Currently amended) The information recorder as claimed in claim 3, characterized in that said index information recording ~~means~~ part [[-]] is configured to successively record ~~successively records~~ the index information generated by said index information generating ~~means~~ part in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium during the recording of the content data in the information recording medium by said content data recording ~~means~~ part.

6. (Currently amended) An information recording method, characterized by:

extracting data from user data recorded in a user data area of a recording area of an information recording medium and to store the extracted data;

creating data accompanying the user data from the stored extracted data; and

recording data accompanying the user data in a Lead-Out area disposed outside [[a]] the user data area ~~to record the user data of a recording area of an information recording medium~~.

7.   (Previously presented) The information recording method as claimed in claim 6, characterized by recording a same attribute as an attribute of the user data area as an attribute of the Lead-Out area disposed outside the user data area.

8.   (Currently amended) An information recording method, characterized by:

a content data recording step of recording content data in an information recording medium;

an extraction step of extracting data from the content data and storing the extracted data

an index information generating step of generating, ~~for the content data~~ from the stored extracted data, index information for referring to contents of the content data; and

an index information recording step of recording the index information generated by said index information generating step in a Lead-Out area disposed outside a user data area to record user data of a recording area of the information recording medium.

9.   (Previously presented) The information recording method as claimed in claim 8, characterized in that said index information recording step records the index information generated by said index information generating step in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium at a time after said content data recording step completes the recording of the content data in the information recording medium.

10.   (Previously presented) The information recording method as claimed in claim 8, characterized in that said index information recording step successively records the index information generated by said index information generating step in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the

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information recording medium during the recording of the content data in the information recording medium by said content data recording step.

11.   (Currently amended) A recording medium in which is recorded a program for causing a computer to execute a process of

extracting data from user data recorded in a user data area of a recording area of an information recording medium and to store the extracted data;

creating data accompanying the user data from the stored extracted data; and

recording data accompanying the user data in a Lead-Out area disposed outside [[a]] the user data area to record the user data of a recording area of an information recording medium.

12.   (Previously presented) The recording medium in which is recorded the program as set forth in claim 11 for causing the computer to execute a process of recording a same attribute as an attribute of the user data area as an attribute of the Lead-Out area disposed outside the user data area.

13.   (Currently amended) A recording medium in which is recorded a program for causing a computer to execute:

a content data recording process of recording content data in an information recording medium;

an extraction process of extracting data from the content data and storing the extracted data;

an index information generating process of generating, for the content data from the stored extracted data, index information for referring to contents of the content data; and

an index information recording process of recording the index information generated by said index information generating process in a Lead-Out area disposed outside a user data area to record user data of a recording area of the information recording medium.

14.   (Previously presented) The recording medium in which is recorded the program as set forth in claim 13, wherein said index information recording process records the index information generated by said index information generating process in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium at a time after said content data recording process completes the recording of the content data in the information recording medium.

15.   (Previously presented) The recording medium in which is recorded the program as set forth in claim 13, wherein said index information recording process successively records the index information generated by said index information generating process in the Lead-Out area disposed outside the user data area to record the user data of the recording area of the information recording medium during the recording of the content data in the information recording medium by said content data recording process.